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Applicant  
Zuhua Zhu, et al.Filing Date  
March 26, 2002Group  
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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PN	AA 5 2 5 6 5 9 6	10/26/93	Ackley et al.			
	AB 5 2 5 8 3 1 6	11/02/93	Ackley et al.			
	AC 5 5 5 7 6 2 7	09/17/96	Schneider, Jr. et al.			
	AD 5 5 5 9 0 5 3	09/24/96	Choquette et al.			
	AE 5 7 2 4 3 7 6	03/03/98	Kish, Jr. et al.			
	AF 5 8 3 1 2 9 5	11/03/98	Huang et al.			
	AG 5 8 3 7 5 6 1	11/17/98	Kish, Jr. et al.			
	AH 5 9 8 5 6 8 6	11/16/99	Jayaraman			
	AI 6 1 6 0 8 3 0	12/12/00	Kiely et al.			
✓	AJ 6 1 6 9 7 5 6	01/02/01	Chirovsky et al.			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AK						
	AL						
	AM						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PN	AN	Choquette, "The Technology of Selectively Oxidized Vertical Cavity Lasers," at Chapter 2 of Cheng and Dutta, eds., <i>Vertical-Cavity Surface-Emitting Lasers: Technology and Applications, Vol. 10 of Optoelectronic Properties of Semiconductors and Superlattices</i> , Manasreh, ed., Gordon and Breach Science Publishers (2000).
	AO	Chua, C.L. et. al., "Planar laterally oxidized vertical-cavity lasers for low-threshold high-density top-surface-emitting arrays," IEEE Photonics Technology Letters, Vol. 9, No. 8, pp. 1060-2 (August 1997)
✓	AP	Deppe, "Optoelectronic Properties of Semiconductors and Superlattices," at Chapter 1 of Cheng and Dutta, eds., <i>Vertical-Cavity Surface-Emitting Lasers: Technology and Applications, Vol. 10 of Optoelectronic Properties of Semiconductors and Superlattices</i> , Manasreh, ed., Gordon and Breach Science Publishers (2000).

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PN	AA	6 4 6 5 8 1 1	10/15/02	Peters et al.			
	AB						
	AC						
	AD						
	AE						
	AF						

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	AH							

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PN	AI	Deppe et al, "Low-threshold vertical cavity surface emitting lasers based on oxide confinement and high contrast distributed Bragg reflectors," IEEE Journal of Selected Topics in Quantum Electronics, vol. 3, no. 3, pp. 893-904 (June 1997).
I	AJ	Dutton, Understanding <i>Optical Communications</i> (Prentice Hall 1998), at pp. 159-161.
	AK	Jewell et. al., "Vertical cavity surface emitting lasers: design, growth, fabrication, characterization", IEEE Journal of Quantum Electronics, vol. 27, no. 6, pp. 1332-1346 (June 1991).
✓	AL	Nishiyama et. al., "Multi-oxide layer structure for single mode operation in vertical cavity surface emitting lasers," IEEE Photonics Technology Letters, vol. 12, no. 6, pp. 606-8 (June 2000).
	AM	Sale, T.E., <i>Vertical Cavity Surface Emitting Lasers</i> , Wiley & Sons (1995)

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